

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/04/2020 10:28 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123691	-2	1.92	123802	1.91
Blue	F	SSC	125000	123835	-1	1.71	124638	1.69
Blue	E	FITC	15892	15474	-3	2.76	337	19.90
Blue	D	PE	29999	29418	-2	1.93	640	14.52
Blue	B	PerCP-Cy5-5	43732	43254	-2	3.64	1164	20.44
Blue	A	PE-Cy7	30845	30789	-1	6.13	589	41.47
Red	C	APC	46112	45794	-1	2.55	1620	11.95
Red	A	APC-Cy7	30458	29833	-3	2.43	792	12.00
Violet	B	V450	7918	7571	-5	4.65	426	12.78
Violet	A	V500	32171	31338	-3	4.33	729	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17271	9.91	620	-1	N/A	N/A	Pass
Blue	F	SSC	56533	1.21	561	2	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0216	226	Pass
Blue	D	PE	134	49.96	549	1	0.1768	305	Pass
Blue	B	PerCP-Cy5-5	216	49.09	657	1	0.0089	32	Pass
Blue	A	PE-Cy7	108	102.18	700	2	0.0104	11	Pass
Red	C	APC	388	25.39	589	5	0.0259	223	Pass
Red	A	APC-Cy7	174	29.25	560	4	0.0056	1170	Pass
Violet	B	V450	65	56.69	463	5	0.0569	2016	Pass
Violet	A	V500	109	32.80	479	5	0.0241	712	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-32.07	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	15.70	13.60 - 20.40	N/A	N/A	29.71	30.07	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10117

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments